

## Claims

What is claimed is:

1. A method of manufacturing a battery powered device comprising:  
    providing first and second battery subassemblies, the first battery subassembly being connectable to the second battery subassembly to form a battery assembly having more electrical capacity than the first and second battery subassemblies individually;  
    connecting the first battery subassembly to the second battery subassembly to form the battery assembly; and  
    connecting the battery assembly to the battery powered device to supply power thereto.
2. The method of claim 1 including mechanically connecting the first battery subassembly to the second battery subassembly.
3. The method of claim 1 including electrically connecting the first battery subassembly to the second battery subassembly.
4. The method of claim 1 wherein the first battery subassembly exhibits a first cell chemistry
5. The method of claim 4 wherein the second battery subassembly exhibits a second cell chemistry.
6. The method of claim 5 wherein the first cell chemistry is different from the second cell chemistry.
7. The method of claim 5 wherein the first cell chemistry is lithium ion chemistry.

8. The method of claim 5 wherein the second cell chemistry is nickel metal hydride chemistry.
9. The method of claim 1 wherein the first battery subassembly and second battery subassembly are in parallel when connected together.
10. The method of claim 1 wherein the first battery subassembly and second battery subassembly are in series when connected together.
11. The method of claim 1 wherein the first and second battery subassemblies are shipped separated from one another prior to connecting the first battery subassembly to the second battery subassembly to form the completed battery assembly.
12. The method of claim 1 wherein the connecting is performed by an IHS configuration facility.
13. The method of claim 1 wherein the connecting is performed by a customer.
14. The method of claim 1 wherein the battery powered device is an information handling system.

15. A method of manufacturing a battery for use in a battery powered device, the method comprising:
  - providing a first battery subassembly including a subassembly to subassembly electrical connector and a device power connector for supplying power to the battery powered device, the first battery subassembly including a subassembly to subassembly mechanical connector; and
  - providing a second battery subassembly including a subassembly to subassembly electrical connector for electrically connecting to the subassembly to subassembly electrical connector of the first battery subassembly, the second battery subassembly including a subassembly to subassembly mechanical connector for mechanically connecting to the subassembly to subassembly mechanical connector of the first battery subassembly.
16. The method of claim 15 including electrically and mechanically connecting the first battery subassembly to the second battery subassembly to form a completed battery assembly.
17. The method of claim 16 including positioning the completed battery assembly in a bay of the battery powered device.
18. The method of claim 17 including electrically connecting the device power connector to a corresponding electrical connector of the battery powered device.
19. The method of claim 15 wherein the first battery subassembly exhibits an energy capacity less than the threshold for triggering higher shipping costs due to regulations.

20. The method of claim 15 wherein the first and second battery subassemblies are shipped separated from one another prior to connecting the first battery subassembly to the second battery subassembly to form the completed battery.
21. The method of claim 15 wherein the second battery subassembly exhibits a energy capacity less than the threshold for triggering higher shipping costs due to regulations.
22. The method of claim 15 wherein the first battery subassembly exhibits a first cell chemistry
23. The method of claim 22 wherein the second battery subassembly exhibits a second cell chemistry.
24. The method of claim 23 wherein the first cell chemistry is different from the second cell chemistry.
25. The method of claim 24 wherein the first cell chemistry is lithium ion chemistry.
26. The method of claim 24 wherein the second cell chemistry is nickel metal hydride chemistry.
27. The method of claim 16 wherein the first battery subassembly and second battery subassembly are in parallel when connected to form the completed battery.

28. The method of claim 16 wherein the first battery subassembly and the second battery subassembly are in series when connected to form the completed battery.
29. An information handling system (IHS) comprising:
- a processor;
  - a memory coupled to the processor;
  - a battery bay for receiving a battery assembly therein, the battery assembly providing power to the processor and the memory, the battery assembly including:
    - a first battery subassembly including a subassembly to subassembly electrical connector and a device power connector for supplying power to the battery powered device, the first battery subassembly including a subassembly to subassembly mechanical connector; and
    - a second battery subassembly including a subassembly to subassembly electrical connector for electrically connecting to the subassembly to subassembly electrical connector of the first battery subassembly, the second battery subassembly including a subassembly to subassembly mechanical connector for mechanically connecting to the subassembly to subassembly mechanical connector of the first battery subassembly.
30. The IHS of claim 29 wherein the first battery subassembly and the second battery subassembly are electrically and mechanically connecting together to form a completed battery assembly.

31. The method of claim 29 wherein the first battery subassembly exhibits a energy capacity less than the threshold for triggering higher shipping costs due to regulations.
32. The method of claim 29 wherein the second battery subassembly exhibits a energy capacity less than the threshold for triggering higher shipping costs due to regulations.
33. The method of claim 29 wherein the first battery subassembly exhibits a first cell chemistry
34. The method of claim 33 wherein the second battery subassembly exhibits a second cell chemistry.
35. The method of claim 34 wherein the first cell chemistry is different from the second cell chemistry.
36. The method of claim 34 wherein the first cell chemistry is lithium ion chemistry.
37. The method of claim 34 wherein the second cell chemistry is nickel metal hydride chemistry.

38. A battery powered device comprising:
- electrical circuitry which requires power to operate;
  - a housing in which the electrical circuitry is situated, the housing including a battery bay for receiving a battery assembly therein, the battery assembly including:
    - a first battery subassembly including a subassembly to subassembly electrical connector and a device power connector for supplying power to the battery powered device, the first battery subassembly including a subassembly to subassembly mechanical connector; and
    - a second battery subassembly including a subassembly to subassembly electrical connector for electrically connecting to the subassembly to subassembly electrical connector of the first battery subassembly, the second battery subassembly including a subassembly to subassembly mechanical connector for mechanically connecting to the subassembly to subassembly mechanical connector of the first battery subassembly.